

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A lubricating oil composition ~~for continuously variable transmission~~ comprising:

(A) a base oil comprising a hydrocarbon compound having a cohesive energy density at 40°C of 0.180 GPa or more, said base oil having a kinematic viscosity at 40°C of 5 to 150 mm²/s, and

(B) a phosphoric ester containing a hydrocarbon group having a thioether bond; and/or (C) ~~at least one compound selected from the group consisting of phosphoric esters and amine salts thereof, and an overbased calcium sulfonate.~~

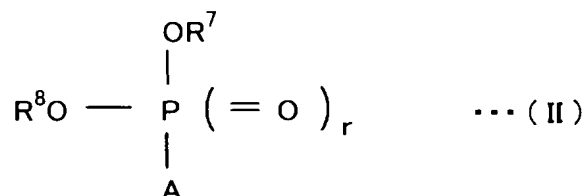
2. (Currently Amended) A lubricating oil composition ~~for continuously variable transmission~~ according to claim 1, wherein said cohesive energy density (CED) at 40°C is calculated from the following formula (1):

$$\text{CED (GPa)} = 0.0204(d/\text{MW}) \cdot T \cdot \ln(2.51\eta \cdot \text{MW}) \quad (1)$$

wherein d is a density (g/cm³) at 40°C; MW is a molecular weight (g/mol); T is an absolute temperature (K); and η is a kinematic viscosity (mm²/s) at 40°C.

3. (Currently Amended) A lubricating oil composition ~~for continuously variable transmission~~ according to claim 1 or 2, wherein said base oil (A) ~~contains~~ comprises at least one compound selected from the group consisting of (i) dimerized norbornanes, (ii) hydrogenated dimers, trimers and tetramers of norbornanes and/or norbornenes, (iii) alkane derivatives having 2 or more cyclohexane rings, and (iv) alkane derivatives having one or more decalin rings and one or more cyclohexane rings.

4. (Currently Amended) A lubricating oil composition ~~for continuously variable transmission~~ according to any one of claims 1 or 2 to 3, wherein said phosphoric ester (B) containing a hydrocarbon group having a thioether bond is an acid phosphoric ester or phosphorous ester represented by the general formula (II):



wherein r is 0 or 1; when r is 0, A is a hydroxyl group, and when r is 1, A is a hydrogen atom or a hydroxyl group; and R⁷ and R⁸ are respectively a hydrogen atom or a hydrocarbon group having 1 to 18 carbon atoms which may have one or more thioether bonds, and at least one of R⁷ and R⁸ is the hydrocarbon group having a thioether bond.

5. (Currently Amended) A lubricating oil composition ~~for continuously variable transmission~~ according to claim 11 ~~any one of claims 1 to 4~~, wherein said composition comprises at least one compound selected form the group consisting of phosphoric esters and amine salts thereof as the component (C) ~~are~~ phosphoric esters containing an alkyl group having 3 to 12 carbon atoms or an aryl group having 6 to 12 carbon atoms, and amine salts thereof.

6. (Currently Amended) A lubricating oil composition for continuously variable transmission according to claim 11 ~~any one of claims 1 to 5~~, wherein said composition comprises ~~overbased calcium sulfonate as the component (C) has~~ having a base value of 50 to 700 mg KOH/g.

7. (Currently Amended) A lubricating oil composition ~~for continuously variable transmission~~ according to claim 1 or 2 ~~any one of claims 1 to 6~~, further comprising (D) a sulfur containing anti-wear agent.

8. (Currently Amended) A lubricating oil composition ~~for continuously variable transmission~~ according to claim 1 or 2 ~~any one of claims 1 to 7~~, wherein said lubricating oil composition is a lubricating oil composition for a metallic belt type continuously variable transmission ~~is of a metallic belt type~~.

9. (Currently Amended) A lubricating oil composition ~~for continuously variable transmission~~ according to claim 1 or 2 ~~any one of claims 1 to 7~~, wherein said lubricating oil composition is a lubricating oil composition for a chain type continuously variable transmission ~~is of a chain type~~.

10. (Currently Amended) A lubricating oil composition ~~for continuously variable transmission~~ according to claim 1 or 2 ~~any one of claims 1 to 7~~, wherein said lubricating oil composition is a lubricating oil composition for a traction drive type continuously variable transmission ~~is of a traction drive type~~.

11. (New) A lubricating oil composition according to claim 1 or 2, wherein said composition further comprises (C) at least one compound selected from the group consisting of phosphoric esters and amine salts thereof, and an overbased calcium sulfonate.

12. (New) A lubricating oil composition according to claim 1 or 2, wherein said lubricating oil composition is a lubricating oil composition for a continuously variable transmission.